WHAT IS CLAIMED IS:

- An ink feed system for ink-jet printers, comprising
- 5 a reservoir chamber,

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- a feed chamber, fluidly connected to printing heads of said printer and to said reservoir chamber,

said reservoir chamber, in a configuration for normal feeding of the ink to said heads, being disposed higher than said feed chamber,

said system further providing a duct provided with an opening to the atmosphere and with a first port for fluid connection to the feed chamber,

said feed system being wherein said duct is further provided with a second port for fluid connection to the reservoir chamber, said reservoir chamber being otherwise impermeable to fluids.

- 2. An ink feed system according to claim 1, suitable for assuming a first configuration for normal feeding of the ink and a second configuration for pouring topping-up ink into said reservoir chamber.
- 3. A feed system according to claim 2 wherein, in said second configuration, said second port provides a passage for the topping-up ink that is not parallel to a horizontal reference plane.

- 4. A feed system (1) according to claim 2 or 3 wherein, in said second configuration, said opening to the atmosphere, of the duct, is disposed higher than said second port of the duct.
- 5. A feed system according to claim 2 wherein, in said second configuration, said second port is disposed between said opening and said first port of the duct.
 - 6. A feed system according to claim 2 wherein, in said second configuration, the topping-up ink flows through said duct and said second port.

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- 7. A feed system according to claim 2, wherein said system is suitable for rotating from said first configuration to said second configuration.
- 8. A feed system according to claim 1, wherein said reservoir chamber, said feed chamber and said duct are contained in a single substantially rigid case.
 - 9. A feed system according to claim 8, wherein said case is a cylindrical case.
- 10. A feed system according to claim 1, comprising 20 a hinge suitable for permitting the rotation of said system.
 - 11. A feed system according to claim 10, wherein said hinge is close to said outflow port.
- 12. A feed system according to claim 2 wherein, in
 25 said second configuration, said feed chamber provides a

reserve chamber separate from a topping-up path by which topping-up ink flows into said reservoir chamber.

13. A feed system according to claim 12, wherein said topping-up path for the ink comprises said duct and said second port.

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- 14. An apparatus for feeding ink to ink-jet printers, comprising one or more feed systems according to any one of the preceding claims.
- 15. An apparatus according to claim 14, comprising support means suitable for supporting said feed system at a predetermined level with respect to a reference plane.
 - 16. An apparatus according to claim 15, wherein said support means comprise at least one stirrup suitable for co-operating with said feed system for the support thereof, said stirrup being suitable for producing a modular structure for the support of a plurality of feed systems.
- 17. A method for pouring ink into a gravity ink
 20 feed system for ink-jet printers,

said system comprising a reservoir chamber and a feed chamber,

said method comprising, in order,

- the step of separating said feed chamber from 25 a topping-up path through which topping-up ink is then introduced into said reservoir chamber;

- the step of pouring said topping-up ink into said feed system.
- 18. A method according to claim 17, wherein the step of separating said feed chamber from said topping-up path comprises the step of rotating said feed system from a first configuration, for normal feeding of the ink, to a second configuration for pouring the topping-up ink.
- 19. A method according to claim 17, wherein the step of separating said feed chamber from said topping-up path provides for the step of maintaining the free surface of the reserve ink contained in said feed chamber at a pressure substantially equal to atmospheric pressure.
 - 20. A method according to claim 17 or 18 or 19 which further provides for feeding ink to the printer simultaneously with said steps.
- 21. An ink feed apparatus for printers
 20 comprising:
 - at least one ink feed system provided with a reservoir chamber suitable for containing said ink and with an outflow port for the outflow of said ink to printing heads of said printer;
- 25 support means suitable for supporting said

feed system at a predetermined level with respect to a reference plane,

wherein said support means comprise at least one stirrup suitable for co-operating with said feed system for the support thereof,

said apparatus being wherein said stirrup is suitable for producing a modular structure for the support of a plurality of feed systems.

- 22. An apparatus according to claim 21, wherein said stirrup has a non-symmetrical configuration with respect to at least one centre line plane.
 - 23. An apparatus according to claim 21 or 22, wherein said stirrup has geometric couplings suitable for producing said modular structure.
- 24. An apparatus according to claim 21, wherein said stirrup has a pocket and a protruding member which are suitable for producing said modular structure.

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- 25. An apparatus according to claim 21, wherein said stirrup has at least two opposed lateral surfaces for producing said modular support structure.
- 26. An apparatus according to claim 21, further comprising at least one terminal closure member suitable for coupling to said stirrup and to a frame of said apparatus.
- 25 27. An apparatus according to claim 26, wherein

said terminal closure member is adjustable in height on said frame with respect to said reference plane.

- 28. An apparatus according to claim 21, wherein said support means comprise a separate intermediate member suitable for at least partially receiving said feed system and of co-operating with said stirrup of said support means.
- 29. An apparatus according to claim 21, wherein said support means are suitable for supporting said feed system in a configuration for normal operation and in a configuration for pouring the ink, said configuration for pouring the ink being rotated with respect to said configuration for normal operation.
- 30. An apparatus according to claim 29, wherein said apparatus comprises locking means for locking said feed system in said configuration for normal operation and in a said configuration for pouring the ink.

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